



SPEC® CFP2006 Result

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Fujitsu Siemens Computers

SPECfp®2006 = 15.6

CELSIUS H250, Intel Core 2 Duo T7700 processor

SPECfp_base2006 = 15.4

CPU2006 license: 22

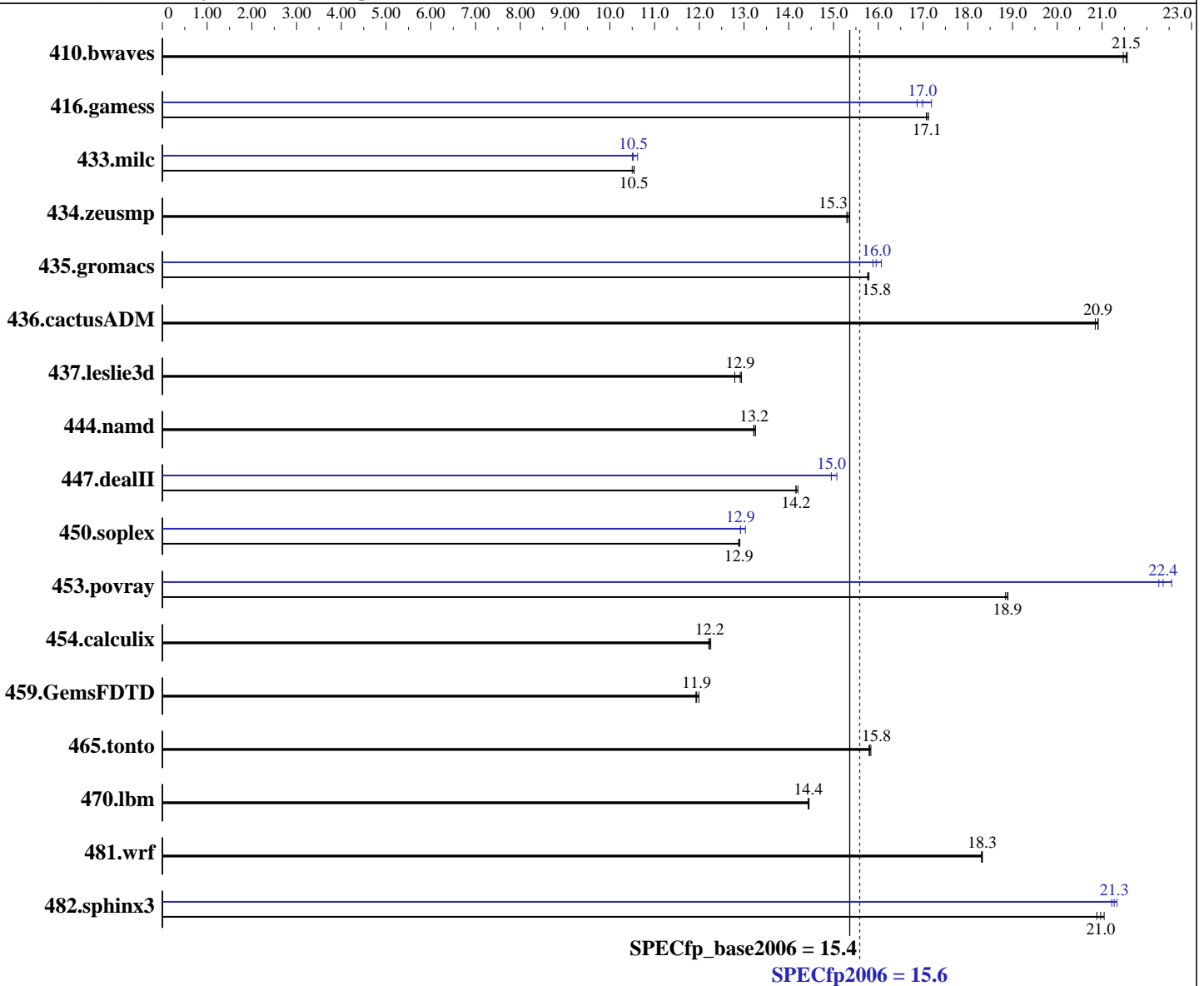
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Aug-2007

Hardware Availability: Jul-2007

Software Availability: Jun-2007



Hardware

CPU Name: Intel Core 2 Duo T7700
 CPU Characteristics:
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip

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Software

Operating System: Windows Vista Ultimate, 64 bit Version

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L3 Cache: None
 Other Cache: None
 Memory: 2 GB (2x1 GB 667 MHz CL5 DDR2 SDRAM)
 Disk Subsystem: 1 x 80 GB SATA 7200 RPM
 Other Hardware: None

Compiler: Intel C++ Compiler
 . for applications running on Intel 64,
 . Version 10.0.026, Build 20070613
 Intel Visual Fortran Compiler
 . for applications running on Intel 64,
 . Version 10.0.026, Build 20070613
 Microsoft Visual Studio 2005 with SP1
 . (for libraries)

Auto Parallel: Yes
 File System: NTFS
 System State: Default
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other Software: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	633	21.5	631	21.5	630	21.6	633	21.5	631	21.5	630	21.6
416.gamess	1147	17.1	1146	17.1	1143	17.1	1139	17.2	1161	16.9	1153	17.0
433.milc	874	10.5	870	10.5	871	10.5	864	10.6	872	10.5	874	10.5
434.zeusmp	595	15.3	594	15.3	593	15.4	595	15.3	594	15.3	593	15.4
435.gromacs	453	15.8	453	15.8	452	15.8	444	16.1	450	15.9	448	16.0
436.cactusADM	573	20.8	571	20.9	571	20.9	573	20.8	571	20.9	571	20.9
437.leslie3d	735	12.8	726	12.9	728	12.9	735	12.8	726	12.9	728	12.9
444.namd	606	13.2	607	13.2	605	13.3	606	13.2	607	13.2	605	13.3
447.dealII	808	14.2	808	14.2	805	14.2	759	15.1	765	15.0	765	15.0
450.soplex	646	12.9	647	12.9	647	12.9	640	13.0	646	12.9	645	12.9
453.povray	282	18.9	282	18.8	282	18.9	236	22.6	238	22.4	239	22.3
454.calculix	674	12.2	676	12.2	673	12.3	674	12.2	676	12.2	673	12.3
459.GemsFDTD	885	12.0	889	11.9	890	11.9	885	12.0	889	11.9	890	11.9
465.tonto	621	15.8	623	15.8	622	15.8	621	15.8	623	15.8	622	15.8
470.lbm	951	14.5	952	14.4	952	14.4	951	14.5	952	14.4	952	14.4
481.wrf	610	18.3	610	18.3	609	18.3	610	18.3	610	18.3	609	18.3
482.sphinx3	933	20.9	929	21.0	926	21.0	919	21.2	916	21.3	913	21.3

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Platform Notes

BIOS default settings have been used.



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General Notes

For information about Fujitsu Siemens Computers in your country please see:
<http://www.fujitsu-siemens.com/countries>

Base Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99

C++ benchmarks:
icl -Qvc8

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icl -Qvc8 -Qc99 ifort

Base Portability Flags

410.bwaves: -DSPEC_CPU_P64
416.gamess: -DSPEC_CPU_P64
433.milc: -DSPEC_CPU_P64
434.zeusmp: -DSPEC_CPU_P64
435.gromacs: -DSPEC_CPU_P64
436.cactusADM: -DSPEC_CPU_P64 -Qlowercase /assume:underscore
437.leslie3d: -DSPEC_CPU_P64
444.namd: -DSPEC_CPU_P64 /TP
447.dealII: -DSPEC_CPU_P64 -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
450.soplex: -DSPEC_CPU_P64
453.povray: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_P64 -DSPEC_CPU_NOZMODIFIER -Qlowercase
459.GemsFDTD: -DSPEC_CPU_P64
465.tonto: -DSPEC_CPU_P64
470.lbm: -DSPEC_CPU_P64
481.wrf: -DSPEC_CPU_P64 -DSPEC_CPU_WINDOWS_ICL
482.sphinx3: -DSPEC_CPU_P64

Base Optimization Flags

C benchmarks:
-fast -Qparallel -F950000000

C++ benchmarks:
-fast -Qparallel -Qcxx-features -F950000000

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Base Optimization Flags (Continued)

Fortran benchmarks:

-fast -Qparallel -F950000000

Benchmarks using both Fortran and C:

-fast -Qparallel -F950000000

Peak Compiler Invocation

C benchmarks:

icl -Qvc8 -Qc99

C++ benchmarks:

icl -Qvc8

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icl -Qvc8 -Qc99 ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:

433.milc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000

470.lbm: basepeak = yes

482.sphinx3: Same as 433.milc

C++ benchmarks:

444.namd: basepeak = yes

447.dealII: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx-features
-F950000000

450.soplex: Same as 447.dealII

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Peak Optimization Flags (Continued)

453.povray: Same as 447.dealII

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: -fast -F950000000

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F950000000

436.cactusADM: basepeak = yes

454.calculix: basepeak = yes

481.wrf: basepeak = yes

The flags file that was used to format this result can be browsed at

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.32.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.32.xml

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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